

SHCHERBINA, I., red.; MANKINA, L., tekhn. red.

[Arsenal of the Donets Basin; "Sovet Shakhtera" Factory tries
to fulfill the postwar five year plan ahead of time] Arsenal
Donbassa; zavod "Svet shakhtera" v bor'be za dosrochnoe vy-
polnenie poslevoennoi piatiletki. Khar'kov, Khar'kovskoe
knizhno-gazetnoe izd-vo, 1950. 95 p. (MIRA 15:12)
(Kharkov--Coal mining machinery)

MOSTEFANENKO, Mikhail Vasil'yevich; SHCHERBINA, I., red.; YEROSHKINA, L.,
mladshiy red.; NOGINA, N., tekhn. red.

[Materialist nature of A.Einstein's theory of relativity] Mate-
rialisticheskaiia sushchnost' teorii otnositel'nosti Einstaina.
Moskva, Sotsekgiz, 1962. 226 p. (MIRA 15:7)
(Relativity (Physics))

KONYUKHOV, I., svarshchik, strakhovoy delegat (Barnaul); CHERTKOVA, Ye.,
planirovshchitsa, strakhovoy delegat (Barnaul); MOROZOVA, G.,
sparovshchitsa; strakhovoy delegat (Barnaul); SHEL', O.,
zatochnik (Barnaul); SHCHERBINA, I., svarshchik (Barnaul)

We are interested in everything. Okhr. truda i sots. strakh. 5
no.9:18 S '62. (MIRA 16:5)

1. Obshchestvennyye inspektora po okhrane truda Altayskogo
motornogo zavoda (for Shel', Shcherbina).
(Gus'-Khrustal'nyi—Industrial hygiene)

SHCHERBINA, I.M.

Attachment for making channels for the "Armco" collar in the
tube sheet of a heat exchanger. Mash. i neft. obor. no. 4311
'63.
(MIRA 17:8)

1. Ufimskiy neftepererabatyvayushchiy zavod im. XXII s"yezda
Kommunisticheskoy partii Sovetskogo Soyuza.

SHCHERBINA, I.N., kand.tekhn.nauk

Calculating the stability and strength of earth foundations of
hydraulic structures. Trudy Gidroproekta 2:137-167 '59.
(MIRA 13:7)

1. Nauchno-issledovatel'skiy sektor Vsesoyuznogo proyektno-
izyskatel'skogo i nauchno-issledovatel'skogo instituta
"Gidroprojekt" im. S.Ya.
(Foundations) (Soil mechanics)

BOMBCHINSKIY, V.P.; VTOROV, N.A.; DUNDUKOV, M.D.; YEGOROV, S.A., doktor tekhn.nauk, prof.; YERMOLOV, A.I.; ZAVORUYEV, V.P.; KALININ, V.V.; KACHEROVSKIY, N.V.; KUZNETSOVA, A.K.; KUZ'MIN, I.A., kand.tekhn. nauk; MEDVEDEV, V.M., kand.tekhn.nauk; MIKULOVICH, B.F.; MIKHAYLOV, V.V., kand.tekhn.nauk; PETRASHEN', R.N.; REYZIN, Ye.S.; SINYAVSKAYA, V.M.; KHAITURIN, A.D.; SHCHERBINA, I.N., kand.tekhn.nauk; SEVAST'YANOV, V.I., red.; KARAULOV, B.F., retsenzent; LOVETSKIY, Ye.S., retsenzent; MIKHAYLOV, A.V., doktor tekhn.nauk, retsenzent; NATANSON, A.V., retsenzent; SOKOL'SKIY, M.M.; retsenzent; STANKEVICH, V.I., retsenzent; FREYGOFER, Ye.F., retsenzent; GOTMAN, T.P., red.; VORONIN, K.P., tekhn.red.

[Work of the All-Union Scientific Research Institute for the Study and Design of Hydraulic Structures] Nauchno-issledovatel'skie raboty Gidroproyekta. Pod obshchey red. V.I. Sevast'yanova. Moskva, Gos.energ.izd-vo, 1961. 214 p. (MIRA 15:2)

1. Moscow. Vsesoyuznyy proyektno-izyskatel'skiy i nauchno-issledovatel'skiy institut Gidroproyekt imeni S.Ya.Zhuk. Nauchno-issledovatel'skiy sektor.

(Hydraulic engineering--Research)

SHCHERBINA, I.P.; SHUL'GIN, I.A.

Characteristics of some morphological and physiological corn types
in the Kabardino-Balkar A.S.S.R. Nauch. dokl. vys. shkoly; biol.
nauki no.3:169-172 '61. (MIRA 14:7)

1. Rekomendovana laboratoriyye biologii razvitiya rasteniy Moskov-
skogo gosudarstvennogo universiteta im. M.V.Lomonosova.
(KABARDINA-BALKAR A.S.S.R.--CORN (MAIZE)--VARITIES)

SHUL'GIN, I.A.; KUPERMAN, F.M.; SHCHERBINA, I.P.

Relation between the chlorophyll content and stages of organogenesis in corn. Fiziol. rast. 9 no.3:347-352 '62. (MIRA 15:11)

1. Institut fiziologii rasteniy imeni K.A.Timiryazeva Akademii nauk SSSR, Moskva i Laboratoriya biologii razvitiya rasteniy Moskovskogo gosudarstvennogo universiteta.
(Corn (Maize)) (Chlorophyll)

SHUL'GIN, I.A.; KUPERMAN, F.M.; VYBLOUKH, V.A.; SHCHERBINA, I.P.

Chlorophyl content as a physiological index of heterosis in corn.
Fiziol. rast. 8 no.6:754-756 '61. (MIRA 16:7)

1. Laboratory of the Biology of Development of Moscow University
and K.A. Timiriazev Institute of Plant Physiology, U.S.S.R.
Academy of Sciences, Moscow.
(Heterosis) (Corn (Maize)) (Chlorophyll)

SHCHERBINA, I.P.; SHUL'GIN, I.A., kand. biolog. nauk

Characteristics of the leaf apparatus in corn in the Kabardino-Balkar A.S.S.R. Uch. zap. Kab.-Balk. gos. un. no.10:41-46 '61.

Characteristics of the surface mass of corn leaves in the Kabardino-Balkar A.S.S.R. Ibid.:55-60 (MIRA 17:6)

KHRENOV, Leonid Sergeyevich, prof.; SHCHERBINA, I.S., red.; SAMSONENKO, L.V., red.; AKHLLAMOV, S.N., tekhn.red.

[Tables of trigonometrical functions having six numbers; containing natural values of six trigonometrical functions for each $10''$ from 0° to 360° , values of cotangents and cosecants for each $1''$ from 0° to $3^\circ 05'$ and values of $\sin^2 \frac{\alpha}{2}$ and $\operatorname{tg}^2 \frac{\alpha}{2}$ from 0° to 180°] Shestiznachnye tablitye trigonometricheskikh funktsii; soderzhashchie natural'nye znachenija shesti trigonometricheskikh funktsii cherez kazhdye $10''$ ot 0 do 360° , znachenija kotangensov i kosekansov cherez $1''$ ot 0 do $3^\circ 05'$ i znachenija $\sin^2 \frac{\alpha}{2}$ and $\operatorname{tg}^2 \frac{\alpha}{2}$ ot 0 do 180° . Moskva, Gos. izd-vo fiziko-matem.lit-ry, 1960. 372 p. (MIRA 13:12) (Trigonometrical functions--Tables, etc.)

SHCHERBINA, I.S., inzh.

Determination of the resistance factor of wooden porous
cooling tower sprinklers. Elek. sta. 34 no.3:78-~~79~~ Mr '63.
(MIRA 16:3)
(Cooling towers)

MAMAYEV, A.I.; SHCHERBINA, I.T.

Device for a uniform feeding of press rollers and a record of their productivity. Ogneupory 20 no.5:233-234 '55. (MLRA 8:11)

1. Zavod ogneupornykh izdeliy imeni Ordzhonikidze
(Pressed brick)

b 15341-66 EWT(n)/EWP(j)/T/ETC(n)-6 WW/RM
ACC NR: AP6000972 (N)

SOURCE CODE: UR/0286/65/000/022/0056/0056

AUTHORS: Rotenberg, I. P.; Shcherbina, I. V.; Lifshits, I. D.; Shuvalova, L. S.

ORG: none

TITLE: A method for obtaining foam plastic. Class 39, No. 176390 /announced by
Vladimir Scientific Research Institute for Synthetic Resins (Vladimirskiy nauchno-
issledovatel'skiy institut sinteticheskikh smol)/

SOURCE: Byulleten' izobreteniya i tovarnykh znakov, no. 22, 1965, 56

TOPIC TAGS: polymer, resin, plastic, polyvinyl chloride, foam plastic, vinyl, plastic,
plasticizer

ABSTRACT: This Author Certificate presents a method for obtaining foam plastics (by a
noncompression method) on the basis of polyvinylchloride combined with an elastomer, in
the presence of a plasticizer and with aid of a gas generator. To improve the
properties of the foam plastic and to increase its resistance to frost, the elastomer
consists of chlorosulfonated polyethylene. The proportion of elastomer to polyvinyl-
chloride is 5 to 25 wt parts per 100 wt parts respectively.

SUB CODE: 11/ SUBM DATE: 23Dec63
QC 07/

Card 1/1

UDC: 678.743.22-134.22

L 27964-66 EWT(m)

ACC NR: AP6017680

SOURCE CODE: UR/0097/65/000/012/0018/0020

AUTHOR: Polyakov, I. D. (Engineer); Shcherbina, K. B. (Engineer)

ORG: none

TITLE: Experimental investigation of the functioning of an open reinforced concrete span structure under horizontal loads

SOURCE: Beton i zhelezobeton, no. 12, 1965, 18-20

TOPIC TAGS: reinforced concrete, stress analysis

ABSTRACT: Experimental investigations into the operation of an open span under the influence of horizontal loads reveal considerable deviations of the actual stress state of the structure from the results of an approximate theoretical calculation and show that the calculation methods now in use are suitable only for approximate estimates of force factors in the structure. The final calculation should be made by a stricter method, consideration being given to the functioning of the structure as a spatial system, allowing proper distribution of material among the individual elements of the span and, therefore, more efficient planning of the structure. The method now in use, based on technical conditions SN 200-62, should be made more accurate. Tables are presented comparing the stress experimentally found for each structural member with that calculated by the formulas. The experiments were performed with a plexiglas model of the reinforced concrete structure under consideration. A photograph and diagram of the model are presented. Orig. art. has 2 figures and 3 tables. JPRS

SUB CODE: 11, 20 / SUBM DATE: none

UDC: 624.023.87:012.45:620.17

19
B
12

Z

SNO-BERINA, K. G.

"Influence of the Aeration of a Nutrient Medium Using Various Sources of Nitrogen on the Metabolism and Growth of Plants." Sub 1: Jan '51, All-Union Sci Res Inst of Fertilizers, Agricultural Engineering and Soil Science.

Dissertations presented for science and engineering degrees in Moscow during 1951.

Cand. Sci.
SO: Sum. No. 480, 9 May 55

TYULIN, A.F.; KUSHNIRENKO, S.V.; SHCHERBINA, K.G.

Mineral nutrition of oak and associated vegetation on the dark-gray forest soils. Pochvovedenie '53, No.3, 19-28. (MLRA 6:3)
(CA 47 no.21:11631 '53)

1. Inst. Forestry, Acad. Sci. U.S.S.R., Moscow.

SINCHEF BINA, E.G.

Effect of the disinfection of soil with nematocides on the
physiological processes in cucumber plants. Trudy VIZR
no.20:47-50 pt.4 '64. (MIRA 18:12)

SHCHERBINA, K. G.

USSR/Biology Agrochemistry

Card : 1/1

Authors : Tyulin, A. F., and Shcherbina, K. G.

Title : Biological nitrogen and phosphorus cycle between vegetation and soil in broad-leaf forests of the southern part of the forest region during the vegetative period.

Periodical : Dokl. AN SSSR, 97, Ed. 1, 125 - 128, July 1954

Abstract : Scientific views are presented on the biological N- and P cycle between the vegetation (Oak) and the soil. Eleven references: 8 USSR, 1 USA, 1 German and 1 Czech. Graphs.

Institution : Acad. of Sc. USSR, Forestry Institute

Presented by : Academician, V. N. Sukachev, May 5, 1954

SKIPIN, A.I., Kandidat nauk, chernomarkov. VERNOLIN S.S., inzhener.
SHCHERBINA K.P. inzhener.

Complex purification of phosphatides with recovery of a phosphatide
concentrate. Metal chelating agent. 1948 Ja '52. (MIRA 10:9)

1. Vsesoyuznyj nauchno-issledovatel'nyj institut zhirov (for Skigin).
2. Latinskij maslozavod (for Terlikin, Shcherbina).
(Chelating agent for Phosphatides)

SKIPIN, A.I., kand.tekhn.nauk; YERMOLIN, S.S., inzh.; SHCHERBINA, K.P.,
inzh.

Stabilization of phosphatides in sunflower oil, and preparation
of salad oil. "asl.-zhir.prom. 26 no.8:28-30 Ag '60.
(MIRA 13:8)

1. Vsesoyuznyy nauchno-issledovatel' skiy institut zhirov (for
Skipin). 2. Labinskij maslozavod (for Yermolin, Shcherbina).

(Phosphatides)
(Sunflower seed oil)
(Oils and fats, Edible)

SKIPIN, A.I., kand.tekhn.nauk; YERMOLIN, S.S., inzh.; SHCHERBINA, K.P., inzh.

Continuous hydration of pressed sunflower seed oil. Masl.-
zhir.prom. 28 no.1:22-24 Ap '62. (MIRA 15:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zhirov (for
Skipin). 2. Labinskiy masloboynyy zavod (for Yermolin,
Shcherbina).

(Sunflower seed oil)

SHCHERBINA, L G.

1/1

Dynamics of accumulation of bitter substances in hops
zones in the course of growth. I. N. Golubinskii and I.
G. Shcherbina; *Doklady Akad. Nauk S.S.R.* **65**, 177 (1949).
The accumulation occurs principally in late summer (August) and no appreciable decline takes place in
later months. G. M. Kosolapoff

MOVIK, I.O. (Kiyev); SMOLYANOVA, R.I. [deceased] (Kiyev);
URBANOVICH, L.I. (Kiyev); SHCHERBINA, L.G. (Kiyev)

Histologic picture of the parodontium in parodontosis in
animals. Probl.stom. 6:11-24 '62. (MIRA 16:3)
(GUMS—DISEASES) (VETERINARY PATHOLOGY)

SCHERBTNA, L.G., assistant (Kiyev)

Tissue therapy in the compound treatment of paradentosis. Probl.
chel.-lits. khir. no.1:174-177 '65.

(MIRA 18:10)

SHCHERBINA, L.G. (Kiyev)

Effectiveness of tissue therapy in paradentosis. Probl.stom.
6:116-121 '62. (MIRA 16:3)
(GUMS—DISEASES) (TISSUE EXTRACTS)

SHCHERBINA, L.G.

Cytological picture of the contents of the gingival pockets
before and after a compound treatment of paradentosis. Vrach.
delo no.9:99-100: 8: 3. (MIRA 16:10)

1. Kafedra chelyustno-litsevoy khirurgii i stomatologii (zav.
prof. E.A.Aleksandrova) Kiyevskogo instituta usovershenstvova-
niya vrachey.

(GUMS—DISEASES)

2c

L 26109-65 ENT(1)/ENT(m)/EXP(w)/EWA(d)/EPR/T/EWP(t)/EWP(b) Ps-h IJP(c)
ACCESSION NR: AP4047492 MJW/JD S/0149/64/000/004/0124/0129

AUTHOR: Livanov, V. A.; Dukhanova, A. A.; Kolachev, B. A.; Neverova-Skobeleva,
N. P.; Slavina, I. I.; Sheynin, B. Ye.; Shocharbina, L. V.

40
39
B

TITLE: Effect of hydrogen on the mechanical properties of titanium and OT4-1 alloy

SOURCE: IVUZ. Tsvetnaya metallurgiya, no. 4, 1964, 124-129

TOPIC TAGS: titanium, titanium alloy, titanium mechanical property, titanium alloy strength, hydrogen content, brittle failure/alloy OT4-1

ABSTRACT: The aim of this work was to study the influence of hydrogen on the mechanical properties of OT4-1 alloy, particularly on the impact strength, and to establish the maximum permissible hydrogen content at which the high resistance of the metal to brittle failure is still retained. For comparison, identical tests were carried out on technical-grade titanium, brand VT1-1. It was found that of all the properties studied, the impact strength of VT1-1 and OT4-1 was the most sensitive to changes in hydrogen content. The lower this content, the lesser the tendency of the titanium alloys toward brittle failure. The authors were unable to establish the maximum permissible hydrogen

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L 26109-65
ACCESSION NR: AP4047492

content and indicate the need for further investigations in this direction. Heating of OT-4 to 900C followed by cooling in air or in water reduces the adverse effect of hydrogen on the impact strength (at the hydrogen contents studied, i.e., up to 0.01%). However, additional experiments are needed for a better understanding of the stability of the properties obtained during the heat treatment and in the course of natural and artificial aging. Orig. art. has: 5 figures and 5 tables.

ASSOCIATION: Kafedra metalovedeniya i tekhnologii termicheskoy obrabotki,
Moskovskiy aviationskyy tekhnologicheskiy institut (Metal science and heat treatment
department, Moscow aviation technology institute)

SUBMITTED: 30Aug63

ENCL: 00

SUB CODE: MM

NO REF Sov: 002

OTHER: 001

Card 2/2

L 6949-65 EWG(j)/EWG(r)/EWT(1)/A/FS(v)-3/ENG(v)/ENG(a)/ENG(c) Pe-5/Po-1
AFTC(b)/AMD/AFWL/SSD/AFETR/ASD(f) DD
ACCESSION NR: AT4045948 S/3111/63/062/000/0081/0085

64
63

AUTHOR: Lorentz, O. G.; Arav, V. I.; Shcherbina, L. Yu.

TITLE: Effect of ACTH and adrenocortical hormone preparations on the survival of animals during acute oxygen insufficiency

SOURCE: Dushanbe. Gosudarstvennyy meditsinsklyy institut. Trudy*, v. 62, 1963. Voprosy* fiziologii i patologii vy*sokogor'ya; trudy* nauchnoy konferentsii, 1962. (Problems of the physiology and pathology of Alpine regions; transactions of the 1962 scientific conference), 81-85

TOPIC TAGS: hypoxia, oxygen deprivation, acute oxygen lack, adrenal, adrenocortical activity, adrenocortical hormone, stress, ACTH

ABSTRACT: The authors report the results of experiments with rats and mice indicating that adrenalectomy decreases the resistance to hypoxia, as does the suppression of pituitary ACTH secretion, while administration of cortisone increases resistance to hypoxia in adrenalectomized but not in intact animals. When rats were placed in a pressure chamber (equivalent height of 2 km) 7 days after bilateral adrenalectomy, survival was prolonged by prior treatment with cortisone (10 mg/day x 2) but not by desoxycorticosterone (5 mg/day x 2); in intact rats, the latter hormone lowered resistance to acute hypoxia. Stimulation of adrenal

Card 1/2

I 6949-65

ACCESSION NR: AT4045948

secretion with ACTH in intact mice had no effect on their resistance to acute hypoxia (altitude of 10 km), nor on the fatal outcome of nitrite poisoning (methemoglobinemia). In vitro studies showed that the local resistance of intestinal tissue to hypoxia (suspension in a medium gassed with hydrogen) was also unaffected by either ACTH or cortisone. Finally, rats were found to be more sensitive to hypoxia (12 km) at high temperatures (37-39C) than at normal temperatures, and under these conditions large doses of cortisone (2-5 mg/day) decreased the resistance still further, while smaller doses had no effect. Orig. art. has: 2 tables.

ASSOCIATION: Tadzhikskiy meditsinskly Institut Im. Abuali Ibni Sino, Dushanbe
(Tadjik Medical Institute)

SUBMITTED: 00

ENCL: 00

SUB CODE: LS

NO REF SOV: 006

OTHER: 005

Card 2/2

SHCHERBINA, M.

Functional and morphological importance of the nasal cavity
in fishes. Nauk.zap.Kiev.un. 8 no.3:85-89 '49. (MLRA 9:10)

(Fishes--Anatomy)

SHCHERBINA, M.

When will the spare parts arrive? Prom. koop. no. 58. My '58.
(MIRA 11:4)

1. Tekhnoruk arteli "Razneprom," Armavir.
(Sewing machines--Maintenance and repair)

KUKHTO, N; KARZOV, V., inzh. (Gatchina, Leningradskoy oblasti); RADOMSKIY,
R.; SHCHERBINA, M.

Innovator contribution to industry. From.koop. 14 no.8:18 ag
'60. (MIRA 13:8)

1. Tekhnoruk arteli "Rodina" g.Bobruysk (for Kukhto). 2. Tekhnoruk
arteli "Oeremoga," g.Chernovtsy (for Radomskiy). 3. Tekhnoruk
arteli "Razneprom," g.Armavir (for Shcherbina).
(Technological innovations)

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CIA-RDP86-00513R001548910012-0"

SHCHERBINA, M.G.

Prevention and treatment of radiation lesions of the skin
and of the mucous membrane. Vest.rent. i rad. no.5:40-42
S-O '55. (MLRA 9:1)

1. Iz ginekologicheskogo otdeleniya (i.o. zav. M.G.Shcherbina)
Tsentral'nogo nauchno-issledovatel'skogo rentgeno-radiologicheskogo
instituta (dir.--prof. M.N.Pobedinskiy) Ministerstva zdravookhra-
neniya SSSR.

(PLANTS,
phytoncides, perv. of radiation lesions of skin)

(X-RAYS, inj. eff.
skin lesions prev. & ther. with phytoncides)

(SKIN, dis.
lesions caused by roentgen rays, prev. & ther. with phytoncides)

SHCHERBINA, M.G.; STUKOVA, L.M.

Treatment of cancer of the cervix uteri with radiocobalt in a gamma-ray apparatus in association with intracavitary irradiation. Vest. rent. i rad. 31 no.3:26-31 My-Je '56. (MIRA 9:9)

1. Iz ginekologicheskoy kliniki (i.o' zav. M.G.Shcherbina) TSentral'-nogo nauchno-issledovatel'skogo rentgeno-radiologicheskogo instituta Ministerstva zdravookhraneniya SSSR (dir. - prof. M.N.Pobedinskiy)
(COBALT, radioactive, ther. of cancer of uterus, with intracavitary radium ther. (Rus))
(RADIUM, therapeutic use, cancer of uterus, intracavitary application with external radiocobalt ther. (Rus))
(UTERUS, neoplasms, ther., radiocobalt with intracavitary radium ther. (Rus))

SHCHERBINA, M.G.; KHOLIN, V.V.

Peculiarities in the restoration of ovarian function after
curietherapy for cervical cancer. Akush. i gin. 33 no.1:95-96
Ja-F '57 (MLRA 10:4)

1. Iz TSentral'nogo nauchno-issledovatel'nogo rentgeno-radiologicheskogo instituta (dir.-prof. M.N. Pobedinskiy)
(CERVIX NEOPLASMS, ther.
radium, post-ther. restoration of ovarian funct.) (Rus)
(RADIUM, ther. use
cancer of cervix, post-ther. restoration of ovarian
funct.) (Rus)
(OVARIES, physiol.
restoration of funct. after curiether. of cancer
of cervix) (Rus)

SHCHERBINA, M.G.; STUKOVA, L.M.; STRUTSOVSKAYA, S.V.; REPINA, V.A.

Treatment of primary cancer of the vagina with radioactive cobalt
with an evaluation of remote results. Med. rad. 5 no.9:67-70 S
'60. (MIRA 13:12)

(VAGINA--CANCER)

(COBALT—ISOTOPES)

Shekerbin, M. K.

Mello
✓Protection of cable sheaths and packing materials against rodents, M. K. Shekerbin and P. F. Lastanchuk, U.S.S.R. 105,103, Mar. 26, 1957. The materials are protected against rodents by impregnation with petroleum, natural or shale bitumen, or coal tar. Packing materials are protected by satn. with molten bitumen or bitumen in soin. M. Hosek

GAN'KOV, Aleksandr Aleksandrovich, nauchnyy sotr.; PLATONOV, Vladimir Erosovich, nauchnyy sotr.; TRUSKANOV, Mikhail Davydovich, nauchnyy sotr.; SHCHERBINO, Marat Nikolayevich, nauchnyy sotr.; GLADKOV, V.A., red.; BARANOV, I.A., tekhn. red.

[Handbook on hydroacoustical fish-locating apparatus] Spravochnik po rybopoiskovym gidroakusticheskim priboram. Murmansk, Murmanskoe knizhnoe izd-vo, 1961. 141 p. (MIRA 14:12)

1. Polyarnyy nauchno-issledovatel'skiy i proyektnyy institut rybnogo khozyaystva i okeanografii im. N.M.Knipovicha (for Gan'kov, Platonov, Truskanov, Shcherbino).
(Sonar in fishing)

SHERKINA, N.A.

TITOV, N.D.

25(L, T)

PHASE I BOOK EXPLOITATION 807/5281

Berezin, Boris Prokop'yevich, Aron Abramovich Moryak, Vileny Markianovich
Nikitov, Georgiy Ivanovich Pogodin-Aleksayev, Nikolay Dmitrievich Titov,
Boris Gavrilovich Shpital'nyy, and Nikolay Aksent'yevich Shcherbinin

Tekhnologiya vashcheyshikh otseley pravshchennosti, chast' 2: Mashinostroyeniye;
uchebnoye posoblye dlya vysishikh partlyuykh shkol /Manufacturing Processes of
the More Important Branches of Industry, Part 2: Machinery Manufacture./
Manual for Higher Party Schools) Moscow, Izd-vo VSPN i AGS pri TAK KPSS, 1959.
376 p., 15,600 copies printed.

Sponsoring Agency: Kommunisticheskaya partiya Sovetskogo Soyuza. Vysshaya parti-
saya shkola. Izdatelstvo pravshchennogo proizvodstva i stroitel'stva.

Eds.: G.I. Pogodin-Aleksayev, A.G. Kokoshko, and D.E. Bayzel'man; Tech. Ed.:
K. M. Naumov.

PURPOSE: This textbook is intended for students of higher party schools.

COVERAGE: The book deals with manufacturing processes in the machine industry:
rolling, drawing, pressing, forging, and stamping of metals are discussed in Part I;
founding in Part II, welding and gas cutting in Part III, and metal cutting in
Part IV. No personalities are mentioned. There are no references.

Card 1/9

BALANDIN, Gennadiy Fedorovich; POGODIN-ALEKSEYEV, Georgiy Ivanovich, doktor tekhn.nauk, prof.; RAZUMOV, Nikolay Alekseyevich; SHPITAL'NYY, Boris Gavrilovich; SHCHERBINA, Nikolay Avksent'yevich; KOKOSHKO, A.G., red.; NAUMOV, K.M., tekhn.red.

[Hot working of metals] Goriachaya obrabotka metallov. Moskva, Izv-vo VPSH i IUN pri TsK KPSS, 1960. 148 p. (Dostizheniya nauki i tekhniki i peredovoi opyt v promyshlennosti i stroitel'stve, no.3). (MIRA 1318)

(Metalwork)

SHCHERBINA, N.A.; LEONT'YEV, A.P.

Production of hyperfine tin plate. Biul.tekh.-ekon.inform.Gos.
nauch.-issl.inst.nauch.i tekhn.inform. 17 no.1:97-100 '64.
(MIRA 17:2)

SHCHERBINA, N.F. (Lugansk)

Use of homemade maps during the economic geography lessons in
secondary schools. Geog. v shkole 26 no.1:50-52 Ja-F '63.
(MIRA 16:5)

(Geography, Economic—Study and teaching)

L 27272-65 EWT(m)/EPF(c)/EMP(v)/EPR/EWP(j)/T pc-4/pr-4/ps-4 MW/RM

ACCESSION NR: AP4009841 S/0191/64/000/001/0073/0073

AUTHORS: Andrianova, N.V.; Reytlinger, S.A.; Shcherbina, N.G.;
Yasminova, L.I.

TITLE: Cementing Polyethylene terephthalate film

SOURCE: Plasticheskiye massy*, no. 1, 1964, 73

TOPIC TAGS: polyethylene terephthalate, film, cementing welding
cementing techniques, polyester resin cement, polyethylene tere-
phthalate film, TF-60 polyester resin cement, TF-60

ABSTRACT: The literature on welding and cementing polyethylene
terephthalate film is discussed. The following cementing technique
is proposed using ethylene glycol polyesters of terephthalic or
sebacic acids as the adhesive. A methylene chloride solution of
polyester TF-60 is brushed on the film to be cemented. For a film
12 microns thick the desired seam width is 5-10 mm.; for 25 micron
film, 10-15; and for 50 micron film, 15-20. The layer of resin
between the film should be 8-10 microns thick. The film is air
dried for 3-5 minutes to remove the solvent; the coated film is

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laid and rolled with rollers heated to 150-170°C at a rate of 1 m./min. at 1-1.5 kgs/cm²/pressure. Instead of applying a resin solution, tapes of TF-60 resin on various backings may be inserted between the film and rolled as before. Orig. art. has: 1 table

ASSOCIATION: None

SUBMITTED: 00

ENCL: 00

SUB CODE: OC, MT

NR REF SOV: 004

OTHER: 013

Card 2/2

SUKHANOV, V.V.; PETROCHENKOV, T.A.; SMIRNOV, G.N.; KONYAKHIN, Yu.Ya., inzh.;
MOROZOVA, T.A.; GORSHKOV, V.V.; YEROSHENKO, N.A.; SHCHERBINA, N.P.

Letters to the editor. Put' i put.khoz. 4 no.11:44-45 N '60.
(MIRA 13:12)

1. Dorozhnyy master, st. Syamba, Severnoy dorogi (for Sukhanov).
2. Starshiy dorozhnyy master, st. Moskva-Kurskaya (for Petrochenkov).
3. Dorozhnyy master 5-go okolojka, st. Khorvino, Oktyabr'skoy dorogi
(for Smirnov). 4. Putevaya rabochaya st. Peshetnikovo, Oktyabr'skoy
dorogi (for Morozova). 5. Starshiy putevoy rabochiy, st. Reshetnikovo,
Oktyabr'skoy dorogi (for Gorshkov). 6. Predsedatel' komissii
partiynogo kontorlya po zhilishchno-bytovym voprosam, st. Aksakovo,
Kuybyshevskoy dorogi (for Yeroshenko). 7. Inzhener distantsii,
st. Nadezhinsk-Sortirovochnyy, Sverdlovskoy dorogi (for Shcherbina).

(Railroads)

SHCHERBINA, N.P., inzh.

Engineers are swamped with unnecessary correspondence work. Put' i
put.khoz. 7 no.2:25 '63. (MIRA 16:2)

1. Stantsiya Nadezhinsk-Sortirovochnyy, Sverdlovskoy dprogi.
(Railroads—Management)

SHCHERBINA, N.S.,; TSYBENKO, V.V.

Regulating the operation of 55-V compressors. Sbor. nauch. trud.
(MIRA 16:5)
KGRI no.19:11-14 '62.

(Air compressors)

(Automatic control)

SHCHERBINA, N.V.

Sulfonation of biomycin in order to reduce its losses in
the production. Spirt. prom. 29 no.8:31 '63.
(MIRA 17:2)

1. Lotoshinskiy spirtovoy zavod.

SHCHERBINA, O.A. [Shcherbyna, O.A.]

Utilizing decorative trees and shrubs for planting roadsides with
verdure. Dop. ta pov. L'viv. un. no.7 pt. 3; '46-47 '57.

(Roadside improvement) (Trees) (Shrubs) (MIRA 11:2)

SHCHERBINA, O.A. [Shcherbyna, O.A.]

The park at Zhuravno. Dop. ta pov. Lviv. un. no.7 pt.3;

47-49 157..

(Zhuravno--Parks)

(MIRA 11:2)

БАРАХИН, В.Р. [Barakhin, V.R.]; ПАШЧЕНКО, А.А. [Pashchenko, O.O.],
Васильевна; БЕКБУРДАКИ, ОРУЖЕВА, В.М. [Bekburdaki, Oruzheva, V.M.], канд.техн.наук;
ШИРЕВИЧ, Г.С. [Shirevich, G.S.]

Ceramic grates made from bonded refractory granules for fluidized
bed chemical reactors. Khim.prom. [Chm.] no.2:55-57 Ap-Je '65.

(MIRA 18:6)

SPIVAK, M.S., golovnyy redaktor; BILOZUB, V.G., redaktor; VASILENKO, P.M., redaktor; ZORIN, I.G., redaktor; IL'CHENKO, I.K., redaktor; KOVAL', O.G., redaktor; KRILOV, O.F., redaktor; PUKHAL'S'KIY, A.V., redaktor; SIDORENKO, O.P., redaktor; FEDCHENKO, O.N., redaktor; ANGELINA, P.M., redaktor; BUZANOV, I.F., redaktor; BOYKO, D.V., redaktor; BURKATS'KA, G.E., redaktor; VASILENKO, A.O., redaktor; VLASYUK, P.A., redaktor; GORODNIY, M.G., redaktor; DEMIDENKO, T.T., redaktor; DUBKOVETS'KIY, F.I., redaktor; KIRICHENKO, F.G., redaktor; LITOVCHENKO, G.P., redaktor; OZERNIY, M.O., redaktor; PERSHIN, P.M., redaktor; POPOV, F.A., redaktor; POSMITNIY, M.O., redaktor; PSHENICHNIY, P.D., redaktor; RADCHENKO, B.P., redaktor; POMAHENKO, S.S., redaktor; RUBIN, S.S., redaktor; SAVCHENKO, M.Kh., redaktor; SOKOLOVS'KIY, O.N., redaktor; TSIBENKO, K.O., redaktor; SHCHERBINA, O.P., redaktor; KRAVCHENKO, M.F., tekhnichniy redaktor

[Collective farm encyclopedia] Kolhospna vyrobnycha ensyklopediia. Vyд. 2-e, perer. i dop. Kyiv, Derzh.vyd-vo sil's'kohospodars'koi lit-ry URSR. Vol.1. Abrykos - Liutserna. 1956. 756 p. (MIRA 9:9)
(Agriculture--Encyclopedias and dictionaries)

SOROKIN, A.A., inzh., KUTSENNKO, V.D., inzh.; KARPUUNIN, A.M., inzh.;
REKHVIS, G.N., inzh.; SHCHERBINA, V.A., inzh.; ORGIVIAN, V.S., inzh.

Rails made of basic Bessemer steel with top oxygen blowing.
Stal' 2L no.5:417-418 My '64. (MERA 17:12)

1. Dneprovskiy metallurgicheskiy zavod im. Dzerzhinskogo.

BESEDIN, P.T.; SOROKIN, A.A.; FILONOV, I.G.; KARPUNIN, A.M.;
CHEPELEV, P.M.; SHCHERBINA, P.A.; AVDEYEV, M.G.; KUTSENKO,
A.D.; TSELYUKO, V.I.; CHERNEVICH, Ye.M.; ORGIYAN, V.S.;
CHERNETA, Z.A.

Improving the technology of the heat treatment of rails
at the Dzerzhinskii Plant for the purpose of increasing
their durability in tracks. Stal' 24 no.5:445-448 My '64.

(MIRA 17:12)

l. Dneprovskiy metallurgicheskiy zavod im. Dzerzhinskogo i
Ukrainskiy nauchno-issledovatel'skiy institut metallov.

KARPUNIN, A.M.; PROSVIRIN, K.S.; BESEDIN, P.T.; ORGIYAN, V.S.;
BAPTIZMANSKIY, V.I.; SHCHERBINA, P.A.; REKHLIS, G.N.

Rails made of low-alloy, acid, Bessemer steel. Stal' 24
no.5:448-451 My '64. (MIRA 17:12)

1. Dneprovskiy metallurgicheskiy zavod im. Dzerzhinskogo,
Dnepropetrovskiy metallurgicheskiy institut i Ukrainskiy
institut metallov.

SHCHERBINA, P. F.: Master Biol Sci (diss) -- "Embryonic and postembryonic development of geese in connection with natural and artificial incubation of them".
Khar'kov, 1958. 1^h pp (Min Agric USSR, Khar'kov Vet Inst), 150 copies (KL, No 1, 1959, 118)

SKURKOV, Ilarion Sergeyevich, kand. sel'khoz. nauk; SHCHERBINA,
Petr Filippovich [Shcherbyna, P.P.], kand. sel'khoz. nauk;
KUZ'MINA, M.F., red.; GULENGO, O.I. [Hulenko, O.I.], tekhn.
red.

[Raising ducklings for meat] Vyroshchuvannia kacheniat na
m'iaso. Kyiv, Derzhsil'hospvydav, 1963. 39 p.

(MIRA 17:1)

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001548910012-0

SHOKEERINA, P.I.

Correction of erroneous information. Vestsi AN RSSR Ser. fiz-
tekh. nav. no.155-11 '64
(MIRA 175?)

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001548910012-0"

SHCHEPINA, I.I.

Theory of p-coding. Vestsi AN BSSR. Ser. fiz.-tekhn. nav. no.4:
9-15 1946. (MIFI A 18:3)

BYKHOVETS, A.U., doktor sel'khoz. nauk; SHCHERBINA, P.F., kand. sel'khoz. nauk; DERCHENKO, I.O., st. nauchn. sotr.; SULIM, M.I., aspirant; KUZ'MINA, M.F., red.; NEMCHENKO, I.Yu., tekhn. red.

[Care and maintenance of young fowl] Dohliad ta utrymannia molodniaka ptytsi. Kyiv, Derzhsil'hcspvydav URSR, 1963.
86 p. (MIRA 17:1)

1. Ukrainskiy nauchno-issledovatel'skiy institut ptitse-vodstva (for all except Kuz'mina, Nemchenko).

SHCHERBINA, P.I.

Arithmetical codes correcting errors of a given type.
Vestsi AN BSSR. Ser.fiz.-mat.nav. no.2:31-40 '65.
(MIRA 19:1)

Agriculture

Agriculture, Books, etc., Addendum, Library, 1952.

9. AGRICULTURE, ETC., LIBRARY, Library of Congress, October 1952. Incl.

SHCHERBINA, Pavel Semenovich; NEKRASOV, V.Yu., spetsredaktor; TETYUREVA, I.V.,
redaktor; PAVLOVA, M.M., tekhnicheskiy redaktor

[Beekeeping] Pchelovodstvo. Izd. 2-oe, perer. Moskva, Gos. izd-vo
selkhoz. lit-ry, 1956. 622 p. (MIRA 10:1)
(Bee culture)

SHCHERBINA, P.S.

[Beekeeping] Pchelovodstvo. 3.izd. Moskva, Gos.izd-vo selkhoz
lit-ry, 1958. 622 p. (MIRA 12:3)
(Bee culture)

SHCHERBINA, Pavel Semenovich; Prinimal uchastiye YAKUSHA, I.V., inzh..
ZAVARSKIY, A.I., red.; MAKHOVA, N.N., tekhn.red.; GOR'KOVA, Z.D.,
tekhn.red.

[Bee culture] Pchelovodstvo. Izd.4., perer. i dop. Moskva, Gos.
izd-vo sel'khoz.lit-ry, 1959. 663 p. (MIRA 13:6)
(Bee culture)

SHCHERBINA, Pavel Semenovich; PETROVSKAYA, L.P., red.; TARANOV, G.F..
red.; SHCHEPTEVA, T.A., tekhn.red.

[In the world of bees; textbook for students] V mire pchel;
posobie dlja uchashchikhsia. Moskva, Gos. uchebno-pedagog.
izd-vo M-vs prosv.RSFSR, 1960. 127 p. (MIRA 13:8)
(Bees)

SHCHERBINA, P.S.

[Bee culture] Umarachylyk; ochenche basma. Kazan, Tatarstan
kitap neshriaty, 1960. 690 p.

(MIRA 14:1)

(Bee culture)

PAKHMAN, T.A., kand. ekonom. nauk; MEZHOVA, R.V., kand. tekhn. nauk;
OLEYNIK, O.A., inzh.; YUDINA, N.V.; BERNGARD, K.A., doktor tekhn.
nauk, prof.; FROL'CV, I.A., inzh.; TIKHONCHUK, Yu.N., kand. ekon.
nauk; Prinimali uchastiye: AVAK'YANTS, N.M., inzh.; SHCHERBINA,
R.M., inzh.; PETROVA, V.L., red.

[Organization of the railroad transportation of petroleum and
chemical liquid cargo.] Organizatsiia zheleznodorozhnykh pere-
vozok neftianykh i khimicheskikh nalinknykh gruzov. Moskva, Trans-
port, 1964. 119 p. (Trudy Vsesoiuznogo nauchno-issledovatel'skogo
instituta zheleznodorozhnogo transporta no.279).

(MIRA 17:12)

S/096/62/000/012/001/003
E194/E135

AUTHORS:

Komm, P.S., Lapuzin, V.S., Nemirov, V.S.,
Fridman, A.Ye., and Shcherbina, S.A. (Engineers)

TITLE:

The control system of a 50 MW gas turbine of the
Khar'kov Turbine Works

PERIODICAL:

Teploenergetika, no. 12, 1962, 37-44

TEXT: The 50 MW gas turbine type GTY-800 (GTU-800) is of open cycle design, burns natural gas at a pressure of 22 atm, and provides heat for district heating. The h.p. combustion chamber, turbine, compressor and l.p. compressor. On a second shaft, side by side with the motor, are the one shaft, combustion chamber, turbine, and m.p. compressor, first, are the l.p. combustion chamber, turbine, and m.p. compressor, first, are the and geared exciter/starter motor. The first shaft speed is variable and at full-load is 3600 r.p.m; the second shaft runs at a constant speed of 3000 r.p.m. The first shaft speed is described. The control systems consist of two main parts: speed control, described in detail, control, in addition there are auxiliary systems for anti-surge protection on dropping load, excess temperature control, overspeed protection on dropping load, excess temperature

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S/096/62/000/012/001/003
E194/E135

The control system of a 50 MW gas ...

protection and others. The speed control pick-up is a low output centrifugal pump (impeller) on the l.p. shaft; there is a two-stage amplification with hydraulic positive and negative feedback. An accelerator (differentiator) is provided to make the speed governor operate quickly. The anti-surging control is very similar in principle to the speed governor and also uses two-stage amplification; the pick-up operates according to the speed of the h.p. shaft instead of according to the compressor air flow and pressure, which is the more usual. The operation of the system is explained and the construction of the various valves and other components is illustrated diagrammatically. The run-up controller takes over when the starter motor has run the l.p. shaft up to 1200-1400 r.p.m. and automatically brings its speed up to 2750 rpm, when the speed governor takes over. Auxiliary circuits which prevent false starts when the electrical load is thrown off are described. The temperature controller uses as pick-ups low inertia thermocouples in the h.p. and l.p. turbine exhaust ducts; they commence to operate if the temperature rises 15 °C above the normal value and shut down the set at 25 °C excess temperature.

Card 2/3

The control system of a 50 MW gas ... S/096/62/000/012/001/003
E194/E135

The overspeed governor is independent of the main speed governor and cuts off the fuel supply. Selection of the control arrangements is discussed and design principles are explained, with particular reference to dynamic stability. Transient process performance curves of the control system show that it is stable. There are 9 figures.

ASSOCIATION: Khar'kovskiy turbinnyy zavod
(Khar'kov Turbine Works)

Card 3/3

KOMM, P. S., inzh.; LAPUZIN, V. S., inzh.; MEMIROV, V. S., inzh.;
FRIDMAN, A. Ye., inzh.; SHCHERBINA, S. A., inzh.

Dynamics of the control of a GTU-50-800 gas turbine system
manufactured by the Kharkov Turbine Plant. Energomashinostroenie
8 no.12:1-7 D '62. (MIRA 16:1)

(Gas turbines)

KLURFEL'D, A.I., inzh.; KORNEYKO, V.N., inzh.; RULLIT, R.A., inzh.;
SAMORODSKIY, L.F., inzh.; FRIDMAN, A.Ye., inzh.; SHCHERBINA,
S.A., inzh.

Control system of a PVK-150 turbine and some special features
of its adjustment. Teploenergetika 11 no. 1:67-72 Ja '64.
(MIRA 17:5)

1. Khar'kovskiy turbinnyy zavod im. S.M.Kirova.

DZYSYUK, A.A., inzh.; KALININA, N.M., tekhnik; KOSTRIKIN, Yu.M., kand. tekhn.
nauk.; PETROVA, S.Yu., tekhnik; RUMYANTSEVA, V.A., inzh.; TOBOL'CEVA,
A.D., tekhnik; SHTERN, O.M., inzh.; SHCHERBINA, S.D., inzh.

New chemical water analysis techniques. Elek. sta. 35 no.7:31-34
Jl '64. (MIRA 17:11)

LITVINOV, M.A.; SHCHERBINA, T.S.

Significance of microscopic parasitic fungi for different
phytoocoenoses in the arid steppes of Kazakhstan. Bot.zhur.
43 no.11:1593-1595 N '58. (MIRA 11:11)

1. Botanicheskiy institut im. V.L. Komarova AN SSSR, Leningrad.
(Kazakhstan--Fungi, Phytopathogenic) (Plant communities)

VAKIN, A.T.; VASIL'YEVA, L.N.; GOLOVIN, P.N.; KOMARNITSKIY, N.A.; LITVINOV,
M.A.; SOSIN, P.Ye.; STRAKHOV, T.D.; TETEREVNIKOVA-BABAYAN, D.N.;
CHEREMISIYNOV, N.A.; SHCHERBINA, T.S.

"Bracket fungi of the European part of the U.S.S.R. and the Caucasus"
by A.S. Bondartsev. Reviewed by A.T. Vakin and others. Bot. zhur.
44 no.3:412-414 Mr '59. (MIRA 12:7)
(Wood-decaying fungi) (Bandartsev, A.S.)

VASIL'YEVA, L.N.; SHCHERBINA, T.S.; LITVINOV, M.A.; SOSIN, P.Ye.

"An outline of geographical distribution of mushrooms in the U.S.S.R." by B.P.Vasil'kov. Reviewed by L.N.Vasil'eva and others. Bot.zhur. 44 no.9:1359-1363 S '59. (MIRA 13:2)

1. Botanicheskiy institut im. V.L.Komarova AN SSSR, Leningrad.
(Fungi) (Vasil'kov, B.P.)

LITVINOV, M.A.; GOLLAND, M.I.; SHCHERBINA, T.S.

Use of fluorescence analysis in the study of lichens. Izv. AN
SSSR. Ser. biol. no. 3:459-464 My.-Je '60. (MIRA 13:7)

1. Botanicheskiy institut im. V.L.Komarova, Akademii nauk SSSR i
Optichesklyy institut im. S.I. Vavilova.
(LICHENS) (FLUORESCENCE)

SHCHERBINA, T.S.

Smut fungi of the Karelian Isthmus. Bot. zhur. 46 no.12:1819-
1824 D '61. (MIRA 15:1)

1. Botanicheskiy institut imeni V.L. Komarova AN SSSR,
Leningrad.

(Karelian Isthmus--Smuts)

СИРИЯ № 7. ПОДПИСЬ

Фирмата ще даде. Едновременно със съдържанието

1. Kubanskij selfokhodnyyavtovnyy institut. Търговия
Den. 25, 1965.

GUCHERBINA, T. V.

"Benthonic Fauna of the Vyritsa (Credezh River) Reservoir in the First Year of Its Existence." Leningrad State Pedagogic Institute A. I. Gertsen, Chair of Zoology and Darwinism, Leningrad, 1955. (Dissertation for the Degree of Candidate of Biological Sciences)

SG: Knizhnaya Letopis', No. 22, 1955, pp 93-105

MIKHINA, Tat'jana Nikolayevna; FROLOVA, Yelena Nikolayevna; SHCHERBINA,
Tat'yana Vladimirovna; KAFYSHEVA, V.S., red.; MUGASHOVA, V.A.,
tekhn. red.

[Laboratory manual on the zoology of invertebrates] Praktikum
po zoologii bezpozvonochnykh. Pod red. E.N.Frolovoi. Mo-
skva, Vysshiaia shkola, 1962. 207 p. (MIRA 15:11)
(Invertebrates)

SHCHERBINA, Vl.

Third All-Union Conference on Metallogeny. Geokhimiia no.2:185-
187 F '63. (MIRA 16:9)

BIDKOVA, L.M.; BURLYA, T.G.; YEPISHIN, N.P.; LADUT'KO, S.V.; SHCHERBINA, V.A.

Effect of bone marrow homotransfusions on the clinical course and
biochemical changes in acute radiation sickness. *Gemat. i perel.*
krovi 1:99-102 '65.

(MIRA 18:10)

1. Vinnitskiy meditsinskiy institut.

SHCHERBINA, V.A.

Regularization of the product of generalized functions of the
causal type. Vop. mat. fiz. i teor. funk. no.1:180-191 '64.
(MIRA 18:2)

SHCHERBINA, V.A.

Swivel feeders for charging flasks and caissons with molding
mixtures. Lit. proizv. no.1:25-27 Ja '59. (MIRA 12:1)
(Foundry machinery and supplies)

18(5), 25(1)

SCV/128-59- 5-12/35

AUTHOR: Shcherbina, V.A. and Cherkashin, A.I., Engineers

TITLE: Drying Sand in Air Flow

PERIODICAL: Liteynoye Proizvodstvo, 1959, Nr 5, pp 24 (USSR)

ABSTRACT: The author gives a description of the disadvantages of the sand drying machine SOGB-4. A new drying furnace operating with hot air and the transport of sand is described. The invention was made by Professor Ak-senovyy in 1943. The principle (Fig. 1) is based on the opposite flow system, carrying the sand from the bottom to the top (15 - 17 sec.), gas of 200-250° flowing opposite. The dust is removed and the sand is collected in a holder. Fig. (2) shows a scheme with the dimensions. By this furnace, 15 tons of sand are dried per hour. The furnace needs a space of 100 sq.m. Its cost amounts to approximately 60,000 rubels. There are 2 diagrams.

Card 1/1

28(1)

SOV/111-11-6-5/33

AUTHORS: Tserkovnyy, I.M. and Slobotina, V.A., Engineers

TITLE: Pushing Conveyors

PERIODICAL: Mashinostroitel', 1959, Nr 6, pp 10-14 (USSR)

ABSTRACT: The article presents general information on the design and operation of pushing conveyors, such as are being widely used abroad, i.e. automatic conveyors for carrying castings or other blanks to different shops within a plant, and mentions different "addressing systems" of these conveyors. For the first experimental pushing conveyor system at the Ul'yanovskiy avtozavod (Ul'yanovsk Automobile Plant), the plan shown in figure 6 has been adopted. The painting of axles in a high-voltage electrostatic field is done according to this plan. The advantages of this conveyor system are explained. There are 6 diagrams.

Card 1/1

16,6 | 00

S/020/62/143/004/009/027
B104/B102AUTHOR: Shcherbina, V. A.

TITLE: The regularization of products of generalized causal-type functions

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 143, no. 4, 1962, 815 - 817

TEXT: The regularization of products of the type

 $\prod_{l=1}^N g_l \left(\sum_{k=1}^m \alpha_k x_k \right) \quad (2)$ is considered. g_l is a function of type $g(x) = \int_0^\infty h(t) \exp(-ix^2/4t) dt \quad (1)$ or of its derivatives, where $x^2 = \sum_{j=1}^n \xi_j x_j^2$, $\xi_j = 1$ with $j \leq r$, and $\xi_j = -1$ with $j > r$. $\int_A^\infty h(t) dt < \infty$ for any $A > 0$; for small t $h(t) = t^{-\lambda} \varphi(t)$, where $\varphi(t)$ is limited and $\lambda < n/2+1$.
The following theorem is proved: every product of type (2) consisting of N functions of type (1) and their derivatives generate a continuous linear

Card 1/2

The regularization of products ...

S/020/62/143/004/009/027

B104/B102

functional above a certain subspace S_N of the type $\prod_{k=1}^n x_k^i \cdot S$, where the selection of $\prod_{k=1}^n x_k^i$ is determined by its products.

ASSOCIATION: Fiziko-tehnicheskiy institut nizkikh temperatur Akademii nauk USSR (Physicotechnical Institute for Low Temperatures of the Academy of Sciences UkrSSR)

PRESENTED: November 30, 1961, by N. N. Bogolyubov, Academician

SUBMITTED: November 29, 1961

Card 2/2

SHCHERBINA, V.A.

Local regularizations of the coefficient functions of the scattering matrix. Dokl. AN SSSR 143 no.5:1075-1077 Ap '62. (MIRA 15:4)

1. Fiziko-tehnicheskiy institut nizkikh temperatur AN USSR.
Predstavлено академиком N.N.Bogolyubovym.
(Quantum electrodynamics) (Matrix mechanics)

SHCHERBINA, V.A.

Regularization of the products of generalized casual functions.
Dokl. AN SSSR 143 no.4:815-817 Ap '62. (MIRA 15:3)

1. Fiziko-tekhnicheskiy institut nizkikh temperatur AN USSR.
Predstavлено академиком N.N.Bogolyubovym.
(Quantum field theory) (Functional analysis)

L 46304-65 EWT(1) IJP(c) GG

ACCESSION NR: AR5012221

UR/0058/65/000/003/B017/B017

SOURCE: Ref. zh. Fizika, Abs. 3B166

9

AUTHOR: Shcherbina, V. A.

13

TITLE: On the computational formalism in quantum field theory

21

CITED SOURCE: Fiz.-tekhn. int nizk. temperatur AN USSR. Khar'kov,
1964, 55 str.

TOPIC TAGS: quantum field theory, Feynman diagram, causal function,
subtraction procedure, regularization

TRANSLATION: The problem considered is that of regularization of
the products of causal functions of quantum field theory with the aid
of a subtraction procedure of the type of the Bogolyubov R-operation.
The method employed makes it possible to greatly expand the class of
products which are regularized by means of such a procedure. A formula
is obtained for the "finite part" of the regularized product, which
is represented in the form of some parametric integral over the
Feynman parameters of the factors and over the subtraction parameters.

Card 1/2

L 46304-65

ACCESSION NR: AR50122211

The corresponding integrand is written out in a very simple explicit form for any diagram in configurational and momentum spaces. The procedure for the construction of the counterterms is appreciably simplified.

SUB CODE: GP ENCL: 00

Card 2/2

L 40770-66 EAT(d)/EAT(m)/EAT(w)/EAT(y)/EAT(t)/ETI/EEG (d) 11/10/1987/EM/EM
ACC NR: AP6018616

SOURCE CODE: UR/420/S/CC/ETI/EEG

AUTHOR: Shcherbina, V. A.

ORG: Kharkov Aviation Institute (Khar'kovskiy aviationsionnyy institut)

TITLE: Determining spring-back in bending of panels backed up by reinforcing ribs

SOURCE: Samoletostroyeniye i tekhnika vozdushnogo flota, no. 4, 1965, 128-131

TOPIC TAGS: reinforced shell structure, plastic deformation, elastic deformation, metal bending, bending stress, elastic stress

ABSTRACT: A method is proposed for determining permanent deformation as a result of plastic bending in various types of paneling with longitudinal ribbed reinforcement. It is assumed that the paneling has ideal plastic properties, that there is no displacement of the neutral axis during deformation and that the cross section is not deformed during bending, the stresses acting only along the axis. Formulas are derived for determining stress distribution, equilibrium between external and internal forces and the bending moment in a given cross section. The equation for the bending moment is modified to describe the behavior of metals with a stress-strain curve which may be approximated by a power function, i. e. where there is no sharp break between the regions of elastic and plastic deformation. Orig. art. has: 5 figures, 14 formulas.

SUB CODE: 20/ SUBM DATE: none

Card 1/1 MRP

SHCHERBINA, V.D.

Some data on the geological structure of the Dobryanka prospecting area. Geol. nefti i guza 7 no.6:21-27 Je '63.
(MIRA 16:9)

1. Kontora razvedochnogo bareniya No.1 tresta Permnefteazvedka.

SHCHERBINA, V. I.

A. A. Nikiforov, A. F. Troitskiy, V. I. Shcherbina

"Stalinets-30" (Tractor "Stalinets-30" Pod Red. M. F. Balzhi i Ya. Trashutina. Isprav i dopol. izd. Moskva, Sel'khozgiz, 1953, 275 p. illus., Diagrs.